

APPENDIX A

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1. Interfaces

1.1. Constituent

Properties

| | |
|--------------------|--|
| PrimaryLanguage | The language that the Constituent primarily uses |
| GovernmentIDNumber | Identification number issued by the Constituent's government. |
| ConstituentType | abstract, Read-Only Type of Constituent: Individual, ExternalOrganization, InternalOrganization |
| IsContact | Read-Only Returns whether or not this Constituent is a Contact. |
| Parent | Read-Only Returns the parent that is associated to this Constituent. |
| DisplayName | abstract, Read-Only Returns the name used for display purposes for this Constituent. |

Compositions

| | |
|-------------------------|---|
| Addresses | Collection of ConstituentAddress child entities. |
| ElectronicCommunication | Collection of ElectronicCommunication child entities. |
| PhoneNumbers | Collection of PhoneNumber child entities. |
| Contacts | Collection of Contact child entities. |

Methods

| | |
|--|--|
| Copy(ConstituentType constituentType) : Constituent | Copies all of the common properties of the current Constituent to a new Constituent of the given type. |
| MergeAttributes(Constituent sourceConstituent) | Merges 'this' with the given constituent. Can only be called if merging from the constituent-level and not from the ConstituentRoleEntity-level. |
| MergeSave (Constituent sourceConstituent) | Saves the newly merged constituent and attempts to delete the source constituent. |

1.2. ConstituentRetrieve

Public Properties

| | |
|--------------------|---|
| CollectionOptions | Gets and sets the collection options for use with Microsoft.BusinessFramework.Entity.EntityVirtualCollection.FindAllWithBlock methods such as Microsoft.BusinessFramework.Entity.EntityVirtualCollection.CollectionOptions. |
| CreateOptions | Gets and sets the options used in creating a virtual collection. |
| DataLocationPolicy | Gets and sets the default entity persistence options for the data location policy. Used to override the default location policy for the current entity type. |
| FilterOptions | Gets and sets the filter options used to append criteria to all retrieves. |
| FindOptions | Gets and sets the options used for finding an entity. |
| SecurityOptions | Gets and sets the security options for a virtual collection. |
| TransactionOptions | Gets and sets the transaction options for virtual collection. |
| ParentKey | Gets and sets the parent key of the current virtual collection. |
| EntityClassName | Gets the full name of the entity. |
| EntityType | Gets the type of the entity using the EntityClassName property and assuming the entity and factory are in the same assembly. |

Public Constructors

| | |
|----------------------|---|
| ctor() | Default constructor. Initializes a new instance of the ConstituentRetrieve class with the default parent key. |
| ctor(IKey parentKey) | Initializes a new instance of the ConstituentRetrieve class with the specified parent key. |

Public Methods

| | |
|--|---|
| Find(EntityCriteria crit) : Constituent | Returns a Constituent for the given EntityCriteria |
| Find(WhereExpression where) : Constituent | Returns a Constituent for the given WhereExpression |
| FindAll () : ArrayList | Returns an ArrayList of all Constituents |
| FindAll (WhereExpression where, OrderByList orderByList) : ArrayList | Returns an ArrayList of all Constituents of the given WhereExpression and OrderByList. |
| FindAll (OrderByList orderByList) : ArrayList | Returns an ArrayList of all Constituents of the given OrderByList. |
| FindAll (WhereExpression where) : ArrayList | Returns an ArrayList of all Constituents of the given WhereExpression. |
| FindAll (CollectionCriteria criteria) : ArrayList | Returns an ArrayList of all Constituents of the given CollectionCriteria. |
| FindAll (ConstituentType conType) : ArrayList | Returns an ArrayList of all Constituents of the given ConstituentType. |
| FindAll (ConstituentOrganizationType orgType, string businessName) : ArrayList | Returns an ArrayList of all Organizations of the given OrganizationType and business name. |
| FindAll (string firstName, string lastName) : ArrayList | Returns an ArrayList of all Individuals of the given first and last name. |
| FindAll (ConstituentType conType, CollectionCriteria criteria) : ArrayList | Returns an ArrayList of all Constituents of the given ConstituentType matching the given CollectionCriteria. |
| FindAllByEmail(string email) : ArrayList | Returns an ArrayList of all Constituents whose ElectronicCommunication Email type value matches the given email. |
| FindAllByEmail (string email, ConstituentType conType) : ArrayList | Returns an ArrayList of all Constituents of the given ConstituentType whose ElectronicCommunication Email type value matches the given email. |
| FindByID(Guid id) : Constituent | Returns a Constituent for the given id |
| FindAllWithBlock() : ArrayList | Returns a BlockReader that can be used to block read over a set of all entities known to this virtual collection. |
| FindAllWithBlock(CollectionCriteria criteria) : ArrayList | Returns a BlockReader that can be used to block read entities meeting the CollectionCriteria |
| FindAllWithBlock(WhereExpression whereExpression) : ArrayList | Returns a BlockReader that can be used to block read over every entity that is associated with the given |

| | |
|--|--|
| | WhereExpression. |
| FindAllWithBlock(WhereExpression whereExpression, OrderByList orderByList) : ArrayList | Returns a BlockReader that is able to block read over all of the entities associated with the given WhereExpression, sorted in the order requested by OrderByList. |
| FindAllWithBlock(OrderByList orderByList) : ArrayList | Returns a BlockReader that can be used to block read over all of the entities known to this virtual collection sorted in the order requested by OrderByList |

1.3. Organization

Properties

| | |
|----------------------------------|---|
| BusinessName | Name of the organization. |
| LegalName | Legal name of the organization |
| Description | Description of the organization |
| DisplayName | Overridden. Returns the name used for display purposes for this Organization which is the BusinessName. |
| StandardIndustrialClassification | Used as a classification of organizations by the U.S. government (http://www.sec.gov/info/edgar/siccodes.htm). |

Public Methods

| | |
|----------|--|
| ToString | Returns a string that represents the Organization which is the DisplayName property. |
|----------|--|

1.4. ExternalOrganization

Properties

| | |
|-----------------|--|
| ConstituentType | Overridden. See Constituent.ConstituentType. Return ConstituentType.ExternalOrganization |
|-----------------|--|

Public Methods

| | |
|----------|---|
| Validate | Overridden. Provides validation for: BusinessName, LegalName |
|----------|---|

1.5. InternalOrganization

Properties

| | |
|-----------------|---|
| ConstituentType | Overridden. Read-Only See Constituent.ConstituentType. Return ConstituentType.InternalOrganization |
|-----------------|---|

Public Methods

| | |
|----------|---|
| Validate | Overridden. Provides validation for: BusinessName, LegalName |
|----------|---|

1.6. Individual

Public Properties

| | |
|-----------------|--|
| ConstituentType | Overridden. See Constituent.ConstituentType. Return ConstituentType.Individual |
| FirstName | Gets or sets the first name of the individual. |
| MiddleName | Gets or sets the middle name of the individual. |
| LastName | Gets or sets the last name of the individual. |
| Suffix | Gets or sets the suffix of the individual. |
| PreferredName | Gets or sets the preferred name of the individual. |
| CourtesyTitle | Gets or sets the courtesy title of the individual. |
| FullName | Read-Only Returns a formatted name based on the individual's first, middle |

| | |
|---------------------|--|
| | and last name. |
| FullNameFormat | A format string used to display the FullName property. Used as the default for display this Individual's FullName. |
| FileAs | List value representing which way the user wants to file or display this name. See FileNameAs enumeration. |
| FileAsValue | User entered value to represent how they want to file or display this name. Only set if FileAs = FileNameAs.UserDefined, otherwise empty. |
| Gender | Male, Female, or Unknown |
| IsContact (Derived) | Read-Only True if this individual is a contact of another constituent. False if this individual is the parent constituent. |
| DisplayName | Overridden. Read-Only Returns the FullName |

Public Methods

| | |
|---|---|
| GetFullName (string first, string middle, string last) | Gets the full name of the Individual |
| GetFullNameSqlExpression(MethodBase method, PropertySqlClause clause) | Used by EntityPersistence when using the FullName property in any SQL expression created using that property. |
| Validate | Overridden. Provides validation for: FileAs |
| ToString(string format, FullNameFormat formatProvider) | Returns a string that represents the Individual (ie. FullName), in the format provided. |

1.7. FullNameFormat

Public Methods

| | |
|---|--|
| Format(string, object, IFormatProvider) | Converts the name fields of the Individual to a FullName using the specified format. |
| GetFormat(Type formatType) : object | Returns the current instance which is the format to use. |

1.8. ConstituentAddress

Public Instance Properties

| | |
|-----------------|--|
| IsPrimary | True if designated as the constituent's primary address |
| PrimaryLanguage | The primary language used at this Constituent's address. |

Public Compositions

| | |
|-------------------------|---|
| ElectronicCommunication | Collection of ElectronicCommunication child entities. |
| PhoneNumbers | Collection of PhoneNumber child entities. |

Public Methods

| | |
|-----------------|---|
| Initialize | Sets the ID property. Default the PreferredLanguage |
| FindAllContacts | Finds a list of all Contacts that are associated to this address. |
| CopyFrom | Copies the fields from the given address to the current address object. |

1.9. ConstituentAddressVirtualCollection

Public Methods

| | |
|--|--|
| FindPrimary() : ConstituentAddress | Finds the primary ConstituentAddress for the Constituent set in the VirtualCollection. |
| Exists (Constituent.Key constituentKey, ConstituentAddress address) : bool | Determines if the given ConstituentAddress exists for the given parent. |

1.10. ConstituentAddressEntityCollection

Public Properties

| | |
|---|---|
| this [index : int] : ConstituentAddress | Returns the ConstituentAddress for the given index. |
|---|---|

Public Methods

| | |
|---|--|
| FindPrimary() : ConstituentAddress | Returns the ConstituentAddress that is designated as primary for the current Constituent. |
| Create() : ConstituentAddress | Creates and adds a new ConstituentAddress to the collection. |
| Create(Type type, EntityKey entityKey) : ConstituentAddress | Creates and adds a new entity of the given type to the collection for the given EntityKey. |
| Create(EntityKey entityKey) : ConstituentAddress | Creates and adds a new ConstituentAddress to the collection for the given EntityKey. |
| Create(Type type) : ConstituentAddress | Creates and adds a new entity of the given type to the collection. |

1.11. Communication

Public Instance Properties

| | |
|-----------------|--|
| UserDefinedType | Virtual Defines a communication type that is not currently defined in the system. |
| IsPrimary | True if designated as the constituent's primary communication entity. |

1.12. CommunicationVirtualCollection

Public Methods

| | |
|--------------------------------|---|
| FindPrimary() : Communication | Finds the primary Communication for the Constituent set in the VirtualCollection. |
|--------------------------------|---|

1.13. PhoneNumber

Public Instance Properties

| | |
|-----------------|--|
| PhoneType | Phone number types (shown in PhoneType enumeration). |
| LocalNumber | The local number part of the phone number |
| Extension | The phone number extension |
| CityAreaCode | The area code of the phone number |
| UserDefinedType | Overridden. PhoneType entered by user that is not in the list. |
| CountryID | Country that the phone number is in. Will come from a list of country codes provided in the system. |
| TAPICodeNumber | Also known as Country Code. Number used as a prefix when dialing out of your current country location. |

Public Methods

| | |
|------------------------------|--|
| CopyFrom (PhoneNumber phone) | Copies the fields from the given phone number to the current phone number object |
| ToString | Formats the phone number to a displayable value |
| GetTypeDisplayNames | Returns a list of displayable PhoneType values. |
| SetPrimary(bool) | Not for public use. |

Public Associations

| | |
|---------|--|
| Country | Association to the Country that corresponds to the CountryID property. |
|---------|--|

1.14. PhoneNumberVirtualCollection

Public Methods

| | |
|--|--|
| FindAllByType(PhoneType phoneType) : ArrayList | Returns a list of PhoneNumbers for the given phone type. |
|--|--|

| | |
|--|---|
| FindAllByType(PhoneType[] phoneTypes) : ArrayList | Returns a list of PhoneNumbers for the given phone types. |
| FindAll(string areaCode, string localNumber) : ArrayList | Returns a list of PhoneNumbers matching the given area code and local number. |
| Exists(Constituent.Key constituentKey, PhoneNumber phone) : bool | Determine if the given PhoneNumber exists for the given parent. |

1.15. PhoneNumberEntityCollection

Public Properties

| | |
|----------------------------------|--|
| this [index : int] : PhoneNumber | Returns the PhoneNumber for the given index. |
|----------------------------------|--|

Public Methods

| | |
|--|--|
| FindPrimary() : PhoneNumber | Returns the PhoneNumber that is designated as primary for the current Constituent. |
| Create() : PhoneNumber | Creates and adds a new PhoneNumber to the collection. |
| Create(Type type, EntityKey entityKey) : PhoneNumber | Creates and adds a new entity of the given type to the collection for the given EntityKey. |
| Create(EntityKey entityKey) : PhoneNumber | Creates and adds a new PhoneNumber to the collection for the given EntityKey. |
| Create(Type type) : PhoneNumber | Creates and adds a new entity of the given type to the collection. |

1.16. ElectronicCommunication

Public Instance Properties

| | |
|----------------------------|---|
| UserDefinedType | Overridden. ElectronicCommuncationType entered by user |
| ElectronicCommuncationType | Electronic communication types (shown in ElectronicCommuncationType enumeration). |
| Protocol | The protocol for the specific elec. comm type. For example, "http" |
| CommunicationValue | The value that corresponds to the communication type |

Public Methods

| | |
|--------------------------------------|--|
| CopyFrom (ElectronicCommuncation ec) | Copies the fields from the given electronic communication to the current electronic communication object |
| ToString | Formats the electronic communication to a displayable value. Returns the CommunicationValue. |
| GetTypeDisplayNames | Returns a list of displayable ElectronicCommuncationType values. |

1.17. ElectronicCommunicationVirtualCollection

Public Methods

| | |
|---|---|
| FindAllByType(ElectronicCommuncationType ecType) : ArrayList | Returns a list of ElectronicCommunication for the given electronic communication type. |
| FindAllByType(ElectronicCommuncationType[] ecTypes) : ArrayList | Returns a list of ElectronicCommunication for the given electronic communication types. |
| FindAll(string communicationValue) : ArrayList | Returns a list of ElectronicCommunication matching the given communication value. |
| Exists(EntityKey parentKey, ElectronicCommunication ec) : bool | Determine if the given ElectronicCommunication exists for the given parent. |

1.18. ElectronicCommunicationEntityCollection

Public Properties

| | |
|---|---|
| this [index : int] : ElectronicCommuncation | Returns the ElectronicCommuncation for the given index. |
|---|---|

Public Methods

| | |
|---|---|
| FindPrimary() : ElectronicCommuncation | Returns the ElectronicCommuncation that is designated as primary for the current Constituent. |
| Create() : ElectronicCommuncation | Creates and adds a new ElectronicCommuncation to the collection. |
| Create(Type type, EntityKey entityKey) : ElectronicCommuncation | Creates and adds a new entity of the given type to the collection for the given EntityKey. |
| Create(EntityKey entityKey) : ElectronicCommuncation | Creates and adds a new ElectronicCommuncation to the collection for the given EntityKey. |
| Create(Type type) : ElectronicCommuncation | Creates and adds a new entity of the given type to the collection. |

1.19. Contact

Public Properties

| | |
|-----------------|--|
| JobTitle | The Contacts' job title |
| Parent | Derived. The Contact's parent entity |
| IsPrimary | True if designated as the constituent's primary contact. |
| HasChanged | True if the Contact or the Contact's Constituent has changed. |
| FullName | Derived. Returns the Contact's Constituent's FullName |
| ConstituentType | Overridden. See Constituent.ConstituentType. Return ConstituentType.Individual |

Public Associations

| | |
|-------------------------------------|--|
| AddressAssociations | Association collection to it parent's addresses. Used so that if a Contact's address is the same as the Constituent it is tied to, the address doesn't have to be duplicated. |
| ExcludedConstituentRoleAssociations | Association collection to it constituent role the contact should NOT be associated to. By default, they are associated to all roles. |
| Constituent | A "strong" association to a Constituent which actually represents the Contact. However, due to a bug that doesn't allow children to be Root entities, this implementation is used. |
| ConstituentRole | Derived. Not mapped Returns the Contact's ConstituentRole. |

Public Methods

| | |
|---|--|
| CopyFrom (Contact contact) | Copies the fields from the given contact to the current contact object |
| IsAssociatedToConstituentRole(Type type) : bool | Return true if the Contact is associated to the given Constituent role type. |
| MergeConstituentAttributes(Constituent sourceConstituent) | Merges the given sourceConstituent's attributes into the Contact's Constituent attributes. |
| Initialize() | Override Sets the Contact's ID. Sets the Constituent association to a new Individual. Associate the Contact to all ConstituentRoles. Flag the Constituent as a Contact. |
| ToString() : string | Returns Contact.Constituent.ToString() |

1.20. ContactVirtualCollection

Public Methods

| | |
|--|--|
| FindAllByEmail(string email) | Returns a list of Contacts for the given email address. |
| FindAll(string firstName, string lastName) : ArrayList | Returns a list of Contacts for the given name |
| FindPrimary() : Contact | Returns the Contact that is designated as primary for the current Constituent. |
| Exists(EntityKey parentKey, Contact contact) : bool | Determine if the given Contact exists for the given parent. |

1.21. ContactEntityCollection

Public Properties

| | |
|------------------------------|--|
| this [index : int] : Contact | Returns the Contact for the given index. |
|------------------------------|--|

Public Methods

| | |
|--|--|
| FindPrimary() : Contact | Returns the Contact that is designated as primary for the current Constituent. |
| Create() : Contact | Creates and adds a new Contact to the collection. |
| Create(Type type, EntityKey entityKey) : Contact | Creates and adds a new entity of the given type to the collection for the given EntityKey. |
| Create(EntityKey entityKey) : Contact | Creates and adds a new Contact to the collection for the given EntityKey. |
| Create(Type type) : Contact | Creates and adds a new entity of the given type to the collection. |

1.22. ConstituentAddresses

Public Properties

| | |
|-----------|--|
| ID | Uniquely identifies ConstituentAddresses in the data store. |
| AddressID | The ID of the ConstituentAddress association. |
| IsPrimary | Returns true if this entity is designated as the primary address for the given address type. |

Protected Properties

| | |
|------|--|
| Type | Generic address type. Contained on this abstract class to handle functionality that is generic to any address type. The concrete class will identify the specific enumeration to represent its address types. The ConstituentAddressTypeAttribute is used to signify this field on the concrete class. |
|------|--|

Public Associations

| | |
|---------|--|
| Address | This is the keyed association to the ConstituentAddress entity |
|---------|--|

1.23. IAddressTypes

Public Properties

| | |
|---------|---|
| Address | A collection of ConstituentAddresses using the AddressCollection. |
|---------|---|

1.24. AddressCollection

Public Properties

| | |
|---|---|
| this[addrType: Enum] : ConstituentAddress.Key | Gets and sets the primary ConstituentAddress for the given address type |
| this[index: int] : ConstituentAddresses | Gets the ConstituentAddress for the given index. |
| AddressType | Returns the System.Type of the Enum representing the address type. |
| Count | Gets the number of elements contained in the entity collection. |
| ContainedEntityType | Gets the type of the entities contained in the collection as defined by the map. |
| IsSynchronized | Gets the flag indicating whether access to the entity collection is synchronized (thread-safe). |
| SyncRoot | Gets an object that can be used to synchronize access to the entity collection. |
| VirtualCollection | Gets the virtual collection associated with the base entity type that can be held by the current concrete collection. |

Public Methods

| | |
|---|--|
| ctor(EntityCollection) | Creates a new AddressCollection using the given EntityCollection for the underlying collection |
| Create(Enum addressType, ConstituentAddress address) : ConstituentAddresses | Creates and adds a new ConstituentAddresses entity to the collection. The address type and address properties are set. |
| Create(Enum addressType, ConstituentAddress.Key | Creates and adds a new ConstituentAddresses entity to the |

| | |
|--|---|
| addressKey) : ConstituentAddresses | collection. The address type and address properties are set. |
| Delete(ConstituentAddresses address) | Removes the given address from the collection. |
| FindPrimary(Enum addressType) : ConstituentAddresses.Key | Finds the primary ConstituentAddresses for the given address type. |
| CopyTo(Array array, int arrayIndex) | Copies the entire entity collection to a compatible one-dimensional array starting at the specified index, which should be based at zero. |
| GetBidirectionalEnumerator() : IBidirectionalEnumerator | Returns a bidirectional enumerator that can iterate through the entire entity collection. |
| GetEnumerator() : IEnumerator | Returns a forward moving enumerator that can iterate through the entire entity collection. |

1.25. ConstituentRoleEntity

Public Properties

| | |
|-----------------|--|
| ConstituentType | Derived. Read-only (must call ChangeConstituentType to change) The type of Constituent this entity is associated to. |
| HasChanged | Returns true if the entity or its Constituent association has changed. |

Public Associations

| | |
|-----------------|--|
| Constituent | A "strong" association to a Constituent which actually represents the Contact. However, due to a bug that doesn't allow children to be Root entities, this implementation is used. |
| ConstituentRole | The ConstituentRole that this entity represents |

Protected Methods

| | |
|---|--|
| MergeConstituentAttributes (Constituent sourceConstituent) | Merges the given sourceConstituent's attributes into the ConstituentRoleEntity's Constituent attributes. |
| SetConstituent | Set the Constituent "strong" association. Changes the association to writeable |
| ChangeConstituentType(ConstituentType newType) | Changes the type of Constituent this instance is associated to. Other roles that are associated to the current Constituent will NOT change their association |
| ChangeConstituentType(ConstituentType newType, bool changeAllRoles) | Changes the type of Constituent this instance is associated to. Other roles that are associated to the current Constituent will change their associations based on the changeAllRoles parameter. Exception: If changeAllRoles is true and at least one other role can't change their association. |

1.26. ConstituentRoleEntityVirtualCollection

Public Methods

| | |
|----------------------------------|--|
| CreateByConstituent(Constituent) | Creates a new ConstituentRoleEntity and sets its Constituent association to the given parameter. |
|----------------------------------|--|

1.27. ConstituentRoleAssociation

Public Properties

| | |
|-------------------------|--|
| StartDate | The starting date/time that the respective Constituent and ConstituentRole were associated. |
| EndDate | The end date/time that the respective Constituent and ConstituentRole were associated. |
| IsCurrent | Derived. Returns true if the association represents the current one (ie. EndDate = Max Date). This association also can represent an old association for historical purposes. |
| ConstituentRoleType | Derived. System.Type of the ConstituentRole end. |
| ConstituentRoleEntityID | ID of the ConstituentRoleEntity for the given ConstituentRole – Constituent |

| | |
|---------------------------|---|
| | combination. |
| ConstituentRoleTypeString | Derived. The ConstituentRole Type converted to a string. The string is exposed to be used for querying purposes. |

Public Associations

| | |
|-------------|--|
| Role | The ConstituentRole end of the association |
| Constituent | The Constituent end of the association. |

1.28. ConstituentRoleAssociationVirtualCollection

Public Methods

| | |
|--|---|
| FindAll(Constituent.Key constituentKey) : ArrayList | Returns a list of associations for the given Constituent. |
| FindAll(Type conRoleType) : ArrayList | Returns a list of associations for the given ConstituentRole type. |
| FindAll(ConstituentRole.Key roleKey) : ArrayList | Returns a list of associations for the given ConstituentRole. |
| Find(ConstituentRoleEntity.Key entityKey) : ConstituentRoleAssociation | Returns an association for the given ConstituentRoleEntity, if one exists. |
| FindAllRoles(Constituent.Key constituentKey) : ArrayList | Returns a list of ConstituentRoles that the given Constituent is associated to. |
| Create(Constituent constituent, ConstituentRole constituentRole, IConstituentRoleMember constituentRoleMember) : ConstituentRoleAssociation | Creates a new ConstituentRoleAssociation, setting the key fields, ConstituentRole and Constituent, and also setting the IConstituentRoleMember it is associated to. |

Public Static Methods

| | |
|---|---|
| AreAnyRolesIn(Constituent constituent1, Constituent constituent2) : bool | Determines if either of the Constituents have any ConstituentRoles in common. |
| IsInAnyOtherRole(Constituent.Key constituentKey, ConstituentRole.Key roleKey) : bool | Is the given Constituent in any ConstituentRole except the given role. |
| IsInRole(Constituent.Key constituentKey, Type conRoleType) : bool | Is the given Constituent in the given ConstituentRole. |
| IsInRole(Guid constituentRoleEntityID, Type conRoleType) : bool | Is the given ConstituentRoleEntity in the given ConstituentRole. |
| IsInRole(Constituent.Key constituentKey, ConstituentRole.Key constituentRoleKey) : bool | Is the given Constituent in the given ConstituentRole. |
| IsInAnyRole(Constituent.Key constituentKey) : bool | Is the given Constituent in any ConstituentRole. |

1.29. ConstituentRole

Public Properties

| | |
|---------------------------|--|
| ConstituentRoleType | The System.Type of the entity represented by the role. |
| ConstituentRoleTypeString | The ConstituentRoleType converted to a string. The string is exposed to be used for querying purposes. |
| Name | The name of the role. |
| Options | The options defined by the role. Shown by ConstituentRoleOptions |
| Description | The role's description |
| DefaultRole | If a connection to MBF's security is needed for this role (ie. the Constituent is a User), this flag determines whether an association between the Constituent and the associated GenericRole should be created. |
| DefaultConstituentType | When a ConstituentRoleEntity is created corresponding to the current role, a new Constituent is created and associated to it. This property returns what type of Constituent that should be. |

Public Association

| | |
|-------------|--|
| GenericRole | If needed, this association is the link to MBF role security. It is used as a default security role if the Constituent is also a User. |
|-------------|--|

Public Methods

| | |
|--|--|
| IsValidConstituentType(ConstituentType conType) : bool | Is the given ConstituentType allowed for the current ConstituentRole. Verifies against the role's Options property |
| ToString() : string | Returns the fully qualified class name. |

1.30. ConstituentRoleOptions

Public Properties

| | |
|------------------------------------|--|
| CanBeUpdatedByOtherConstituentRole | True - allows the update of the current role's Constituent by another role. For example, if Constituent is extended by an Employee and this option is false for the Employee, then if the Constituent is extended by another role, that role could not update the Constituent. |
| CanExtendAsOtherConstituentRole | True - allows another role to extend this role's Constituent. For example, if the property is true for a Customer, then another role can extend a Customer's Constituent (if this property is true for that role also.) |
| CanExtendAsUser | True - allows the User role to extend this role's Constituent. Set to false to not allow the role to be extended as a User. |
| CanBeIndividual | True - allows the role's Constituent to be of type Individual. |
| CanBeExternalOrganization | True - allows the role's Constituent to be of type ExternalOrganization. |
| CanBeInternalOrganization | True - allows the role's Constituent to be of type InternalOrganization. |
| AllowsPaymentCard | True - allows the role to be associated to payment cards in the system. |

Public Static Methods

| | |
|---|---|
| ToOptions(int) : ConstituentRoleOptions | Used by EP as a read DataMove to convert the database value to a ConstituentRoleOptions object. |
| FromOptions(ConstituentRoleOptions) : int | Used by EP as a write DataMove to convert a ConstituentRoleOptions object to a database value. |

1.31. ConstituentRoleVirtualCollection

Public Methods

| | |
|--|---|
| Create() : ConstituentRole | Creates a new ConstituentRole while setting the ID field. |
| FindByName(string name) : ConstituentRole | Find a ConstituentRole for the given name. |
| FindByType(Type constituentRoleType) : ConstituentRole | Find a ConstituentRole for the given Type. |